

# Map & Photo Legend









SE03-02 Kah Sheets Bay looking south.



SE03-02 Looking northwest into Kah Sheets Bay.



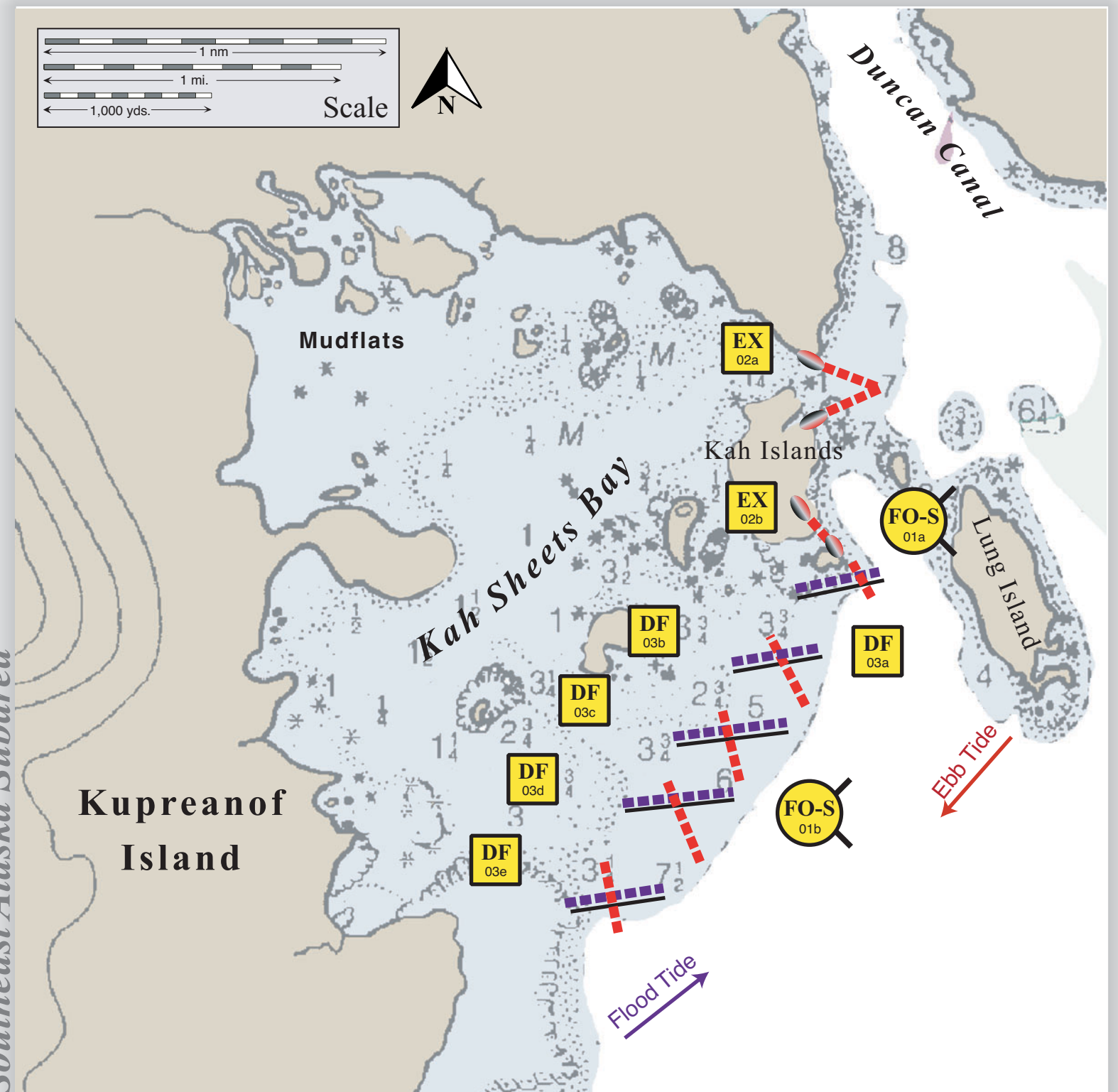
SE03-02 Kah Sheets Bay looking west.

-  Free-oil Containment and Recovery, Shallow Water
-  Exclusion Booming
-  Deflection Booming
-  Protected-water Boom, Ebb Tide
-  Protected-water Boom, Flood Tide
-  Tidal-seal Boom

## Geographic Response Strategies for Southeast Alaska Subarea

# Kah Sheets Bay, SE03-02

Center of map at 56° 30.8' N Lat., 133° 06.4' W Lon.



This is not intended for navigational use.

Soundings in fathoms

ID	Location and Description	Response Strategy	Implementation	Response Resources	Staging Area	Site Access	Resources Protected (months)	Special Considerations
SE03-02-01	<b>Kah Sheets Bay</b> Nearshore waters in the general area of: <div><div>a. Lat. 56° 30.8 N Lon. 133° 04.7 W</div><div>b. Lat.56° 30.1 N Lon.133° 05.3 W</div></div>	<b>Free-oil Recovery</b> Maximize free-oil recovery in the offshore & nearshore environment outside Kah Sheets Bay	Deploy free-oil recovery strike teams upwind and up-current of Kah Sheets Bay. Use aerial surveillance to locate incoming slicks.	Multiple free-oil recovery strike teams as required to maximize interception of oil before it impacts sensitive areas.	Petersburg; Marine vessel	Via marine waters  NOAA chart: 17382	Same as SE03-02-03	Shallow water  Vessel masters should have local knowledge.  Hazing shorebirds should be considered – contact USFWS and ADFG.
SE03-02-02	<b>Kah Sheets Bay</b> <div><div>a. Lat. 56° 31.4 N Lon. 133° 05.4 W</div><div>b. Lat. 56° 30.9 N Lon. 133° 05.3 W</div></div>	<b>Exclusion</b> Exclude oil from entering Kah Sheets Bay north of Kah Islands.	Place protected-water boom, with tidal-seal on both ends, between islands, to exclude oil from entering Kah Sheets Bay cove. Place Boom (a) must in a chevron pattern due to strong current through the channel.  <u>Boom Arrays</u> <div><div>a. 2000 ft.</div><div>b. 400 ft.</div></div>	<b>Deployment</b> <b>Equipment</b> 2400 ft. protected-water boom 20 ea. anchor systems (~40 lbs.) 4 ea. ≥ 50 ft. section tidal-seal boom 8 ea. anchor stakes <b>Vessels/Personnel/Tending</b> Same as SE03-02-03	Petersburg; Marine vessel	Via marine waters  NOAA chart: 17382	Same as SE03-02-03	Significant SE winds may require the exclusion tactics be deployed at key resources within the bay.  Tested: not yet  Surveyed: not yet
SE03-02-03	<b>Kah Sheets Bay</b> <div><div>a. Lat. 56° 29.8 N Lon. 133° 06.4 W</div><div>b. Lat. 56° 30.1 N Lon. 133° 06.0 W</div><div>c. Lat. 56° 30.3 N Lon. 133° 05.7 W</div><div>d. Lat. 56°30.5 N Lon. 133° 05.5 W</div><div>e. Lat. 56°30.8 N Lon. 133° 05.0 W</div></div>	<b>Deflection</b> Deflect oil away from Kah Sheets Bay to free-oil recovery strike teams.	Use vessels with deck space (class 2/3/4) to transport equipment. Use small fishing vessels and skiffs (class 4/6) to deploy boom and set anchors. Place 8800 ft. of protected-water boom in cascaded arrays to deflect oil to free-oil recovery strike teams. Reconfigure boom when tide changes. Monitor throughout tide.  <u>Boom Arrays</u> <div><div>a. 1800 ft.</div><div>b. 1800 ft.</div><div>c. 1800 ft.</div><div>d. 1800 ft.</div><div>e. 1600 ft.</div></div>	<b>Deployment</b> <b>Equipment</b> 8800 ft. protected-water boom 176 ea. anchor systems (~40 lbs.) <b>Vessels</b> 2 ea. class 2 2 ea. class 3/4 2 ea. class 6 <b>Personnel / Shift</b> 18 ea. vessel crew <b>Tending</b> <b>Vessels</b> 2 ea. class 3/4 2 ea. class 6 <b>Personnel / shift</b> 6 ea. vessel crew	Petersburg; Marine vessel	Via marine waters  NOAA chart: 17382	Fish-herring, intertidal salmon/trout spawning (sockeye, coho, chum, pink, steelhead, cutthroat, Dolly Varden)  Birds-waterfowl and shorebird concentration area  Habitat-kelp and eelgrass beds, mudflats  Human use-high recreational use	This aggressive strategy requires significant experience and resources to implement. With limited resources, deploy one 1800 ft. stepped array (600 ft. each) at northern and southern ends of bay.  REPORT any cultural resources found during operations to FOSC Historic Properties Specialist.  See Figure G-3-6 for equipment locations.  Tested: not yet  Surveyed: not yet